

Discharge/Reuse of Inert Soils from Contaminated Sites

SAM Annual Update
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Outline

- Proposed Waiver Number 8
- Inert Waste
- General Waiver Conditions
- Tier 1 Soil Screening Levels
- Tier 2 Soil Screening Levels
- Schedule

Proposed Waivers

- New Types of Discharge Currently Being Considered for Regulation by Waivers^{*}

1. "Low Threat" Discharges to Land
2. "Low Threat" Discharges to Surface Waters
3. On-site Graywater Systems
4. Discharges from Grazing Lands
5. Stream Channel Maintenance Activities
6. Pesticide Dischargers
7. Concrete Grinding Residues
8. Fireworks
9. Unlined Decorative Ponds
10. Discharges from Marinas
11. Discharge/Reuse of Inert Soils and Materials
12. Discharge/Reuse of Soils Characterized as Inert from Contaminated Sites
13. Temporary Waste Piles and Surface Impoundments for Emergency-Related Wastes
14. Discharges from Private Storm Water Conveyance Systems
15. Fire Suppression and Fuels Management Activities

^{*} Subject to change.

Proposed Waivers

- Proposed Waiver No. 8*
Discharges/Disposal of Solid Wastes to Land
 - ✦ Manure composting/soil amendment operations [Existing Waiver No. 15]
 - ✦ Solid waste disposal facilities only accepting inert wastes [Existing Waiver No. 16]
 - ✦ Temporary discharge of specified contaminated soils [Existing Waiver No. 23]
 - ✦ Green waste composting facilities [Existing Waiver No. 24]
 - ✦ Discharge/disposal/reuse of inert soils and materials to land [NEW]
 - ✦ Discharge/disposal/reuse of soils characterized as inert or non-hazardous from contaminated sites to land [NEW]

* Subject to change.

Definition of Inert Soils

- Inert waste is that subset of solid waste that does not contain hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste. [Title 27 section 20230]

General Waiver Conditions for Discharges of Wastes to Land

For Both Tier 1 or Tier 2:

- No Discharges to any Surface Waters
- Can not cause a Condition of Pollution
- Waste can not contain:
 - Decomposable waste
 - Free Liquid
 - TPH, VOCs, SVOCs PCBs, Pesticides
- Only Applies within SDRWQCB Regional Boundaries

General Waiver Conditions for Discharges of Wastes to Land

(cont.)

- Waste Characterization & Statistical Analysis
 - Use USEPA SW846 Chapter 9 and
 - USEPA 2002, RCRA Waste Sampling Guidance
- File Notice of Intent no less than 3 days prior to export.
- File Inert Waste Certification within 30 days following completion of export.

Inert Waste Certification

- Generator Name & Contact Information
- Export Site Location, Owner Name & Contact Information
- Map
- Volume Exported off-site
- BMPs Implementation
- All Lab Data
- Penalty of Perjury Statement

Waiver Only Applies to Title 22 Metals

If analytical results indicate detectable concentrations of constituents other than Title 22 metals, waste soil can not be characterized as inert.

- Tier 1 – Unrestricted Reuse/Disposal
- Tier 2 – Reused at Industrial or Commercial Development Sites Only

Tier 1 Soil Screening Levels

Title 22 Metals	SSL (mg/kg)		Title 22 Metals	SSL (mg/kg)
Antimony	5		Lead	15
Arsenic	3.5		Mercury	0.26
Barium	509		Molybdenum	2
Beryllium	4		Nickel	57
Cadmium	1.7		Selenium	0.21
Chromium, Total	50		Silver	2
Chromium, VI	17		Thallium	1
Cobalt	20		Vanadium	50
Copper	60		Zinc	149

Tier 2 - Conditions

- Export to Commercial and Industrial Sites Only.
- Placed 5 feet above highest Ground Water Level.
- Placed >100 feet from nearest Surface Water Body.
- Protected against 100-year Peak Stream Flows.
- Covered by:
 - 1) Engineered Materials
 - 2) >2 ft Clean Fill of 10^{-5} cm/sec permeability

Tier 2 Soil Screening Levels

Pollutant	SSL (mg/kg)		Pollutant	SSL (mg/kg)
Antimony	6		Lead	49
Arsenic	5.5		Mercury	2
Barium	1,000		Molybdenum	3,500
Beryllium	4		Nickel	255
Cadmium	5		Selenium	50
Chromium, Total	790		Silver	500
Chromium, VI	37		Thallium	2
Cobalt	3,200		Vanadium	144
Copper	1,300		Zinc	5,000

Schedule to Adopt Waivers

- Public Review of Proposed Waivers
 - Apr 2007: CEQA Scoping Meeting
 - Jun/Jul 2007: Released Draft Proposed Waivers for Public Review and Comment
 - Jul/Aug 2007: Received Public Comments
- RB Adopted Proposed Waivers
 - Aug/Sep 2007: Public Hearing/Adoption
 - Oct 2007: State Water Board and OAL
- SB Adoption
 - ~ May 2008
- Waivers Effective - ~ August 2008

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California Environmental Protection Agency

San Diego Regional Water Quality Control Board



OUR MISSION To preserve, enhance and restore the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.



Water News

Notice of Public Workshop and CEQA Scoping Meeting for Amendment to the Water Quality Control Plan for the San Diego Region (9) regarding the Renewal and Issuance of the Waivers of Waste Discharge Requirements - April 5, 2007

(3-8-07)

[get the facts](#)

Notice of Availability - Copy of the Flow Entrainment and Impingement Minimization Plan submitted by Poseidon Resources for the Carlsbad Desalination Project (3-5-07)

[read entire document](#)

**Supplemental Notice of Public Workshop - March 12, 2007
Orange County Municipal Storm Water Permit (Tentative Order**

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Questions?



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